Set Name side by side	Query	Hit Count	Set Name result set
DB=USPT; PLUR=YES; OP=ADJ			
L3	('MAGE 1') same (nucleic or nucleotide$)	56	L3
L2	(MAGE) same (nucleic or nucleotide$).clm.	31	L2
L1	boon-thierry$	6	L1

END OF SEARCH HISTORY

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Search Results -

Term	Documents
"MAGE 1".USPT,PGPB.	0
NUCLEIC.USPT,PGPB.	58829
NUCLEICS.USPT,PGPB.	11
NUCLEOTIDE$	0
NUCLEOTIDE.USPT,PGPB.	47913
NUCLEOTIDEA.USPT,PGPB.	1
NUCLEOTIDEACTIVATOR:.USPT,PGPB.	1
NUCLEOTIDEAND.USPT,PGPB.	1
NUCLEOTIDEASE.USPT,PGPB.	13
NUCLEOTIDEATION:.USPT,PGPB.	2
NUCLEOTIDEBASED.USPT,PGPB.	1
(('MAGE 1') SAME (NUCLEIC OR NUCLEOTIDE$)).USPT,PGPB.	68

There are more results than shown above. Click here to view the entire set.

Database: US Patents Full-Text Database; US Pre-Grant Publication Full-Text Database; JPO Abstracts Database; EPO Abstracts Database; Derwent World Patents Index; IBM Technical Disclosure Bulletins

Search: L4

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Search History

DATE: Monday, March 24, 2003 Printable Copy Create Case

Set Name side by side	Query	Hit Count	Set Name result set
DB=USPT,PGPB; PLUR=YES; OP=ADJ			
L4	('MAGE 1') same (nucleic or nucleotide$)	68	L4
DB=USPT; PLUR=YES; OP=ADJ			
L3	('MAGE 1') same (nucleic or nucleotide$)	56	L3
L2	(MAGE) same (nucleic or nucleotide$).clm.	31	L2
L1	boon-thierry$	6	L1

END OF SEARCH HISTORY

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L3: Entry 25 of 56 File: USPT May 22, 2001

US-PAT-NO: 6235525
DOCUMENT-IDENTIFIER: US 6235525 B1

TITLE: Isolated nucleic acid molecules coding for tumor rejection antigen precursor MAGE-3 and uses thereof

DATE-ISSUED: May 22, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
van den Eynde; Benoit	Brussels			BE
van der Bruggen; Pierre	Brussels			BE
Boon-Falleur; Thierry	Brussels			BE

US-CL-CURRENT: 435/325; 435/252.3, 435/320.1, 435/334, 435/343.1, 435/343.2, 536/23.5

CLAIMS:

We claim:

1. An isolated cDNA molecule consisting of a nucleotide sequence, which codes for tumor rejection antigen precursor MAGE-3, the complementary, sequence of which hybridizes, under stringent conditions to SEQ ID NO: 11 or SEQ ID NO: 12.

2. Isolated cDNA molecule wherein said molecule codes for tumor rejection antigen precursor MAGE-3 and consists of the nucleotide sequence set forth in SEQ ID NO: 11 or SEQ ID NO: 12.

3. Expression vector comprising the cDNA molecule of claim 1 operably linked to a promoter.

4. The expression vector of claim 3, further comprising a nucleic acid molecule which codes for HLA-A1.

5. Cell line transfected with the expression vector of claim 3.

6. The cell line of claim 5, wherein said cell line expresses HLA-A1.

7. The cell line of claim 5, wherein said cell line is further transfected with a nucleic acid molecule which codes for HLA-A1.

8. Isolated mRNA molecule complementary to the isolated cDNA molecule of claim 1.

9. Isolated mRNA molecule complementary to the isolated cDNA molecule of claim 2.

10. Isolated cDNA molecule which encodes tumor rejection antigen precursor protein MAGE-3, said protein having the amino acid sequence of the protein encoded by SEQ ID NO: 11 or SEQ ID NO: 12.

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L3: Entry 50 of 56 File: USPT Mar 18, 1997

US-PAT-NO: 5612201
DOCUMENT-IDENTIFIER: US 5612201 A

TITLE: Isolated nucleic acid molecules useful in determining expression of a tumor rejection antigen precursor

DATE-ISSUED: March 18, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
De Plaen; Etienne	Brussels			BE
Boon-Falleur; Thierry	Brussels			BE
Lethe ; Bernard	Brussels			BE
Szikora; Jean-Pierre	Brussels			BE
De Smet; Charles	Brussels			BE
Chomez; Patrick	Brussels			BE

US-CL-CURRENT: 435/91.2; 435/6, 536/23.1, 536/24.33

CLAIMS:

We claim:

1. Isolated nucleic acid molecule selected from the group consisting of: SEQ ID NO: 29, SEQ ID NO: 30, SEQ ID NO: 31, SEQ ID NO: 32, SEQ ID NO: 33, SEQ ID NO: 34, SEQ ID NO: 35, SEQ ID NO: 36, SEQ ID NO: 37, SEQ ID NO: 38, SEQ ID NO: 39, SEQ ID NO: 40, SEQ ID NO: 41, SEQ ID NO: 42, SEQ ID NO: 43, SEQ ID NO: 44, SEQ ID NO: 45, and SEQ ID NO: 46.

2. Kit useful in determining expression of a MAGE gene, said kit comprising at least one pair of primers selected from the group consisting:

(b) SEQ ID NO: 29 and SEQ ID NO: 30

(c) SEQ ID NO: 31 and SEQ ID NO: 32

(d) SEQ ID NO: 33 and SEQ ID NO: 34

(e) SEQ ID NO: 35 and SEQ ID NO: 36

(f) SEQ ID NO: 37 and SEQ ID NO: 38

(g) SEQ ID NO: 39 and SEQ ID NO: 40

(h) SEQ ID NO: 41 and SEQ ID NO: 42

(i) SEQ ID NO: 43 and SEQ ID NO: 44 and

(j) SEQ ID NO: 45 and SEQ ID NO: 46.

3. Method for determining expression of a MAGE gene of interest, comprising contacting a nucleic acid containing sample with at least one pair of primers selected from the group consisting:

(b) SEQ ID NO: 29 and SEQ ID NO: 30

(c) SEQ ID NO: 31 and SEQ ID NO: 32

(d) SEQ ID NO: 33 and SEQ ID NO: 34

(e) SEQ ID NO: 35 and SEQ ID NO: 36

(f) SEQ ID NO: 37 and SEQ ID NO: 38

(g) SEQ ID NO: 39 and SEQ ID NO: 40

(h) SEQ ID NO: 41 and SEQ ID NO: 42

(i) SEQ ID NO: 43 and SEQ ID NO: 44 and

(j) SEQ ID NO: 45 and SEQ ID NO: 46, subjecting said nucleic acid containing sample and pair of primers to a reverse transcriptase-polymerase chain reaction, and determining any amplification product as a determination of expression of said MAGE gene.

WEST

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L3: Entry 54 of 56 File: USPT Oct 31, 1995

US-PAT-NO: 5462871
DOCUMENT-IDENTIFIER: US 5462871 A

TITLE: Isolated nucleic acid molecules which encode MAGE derived nonapeptides

DATE-ISSUED: October 31, 1995

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Boon-Falleur; Thierry	Brussels			BE
van der Bruggen; Pierre	Brussels			BE
De Plaen; Etienne	Brussels			BE
Lurquin; Christophe	Brussels			BE
Traversari; Catia	Milan			IT
Gaugler; Beatrice	Brussels			BE
Van den Eynde; Benoit	Brussels			BE

US-CL-CURRENT: 435/354; 435/252.3, 435/365, 536/23.1, 536/23.5

CLAIMS:

We claim:

1. Isolated nucleic acid molecule consisting of a nucleotide sequence which codes for a nonapeptide selected from the group consisting of SEQ ID NO: 17, SEQ ID NO: 18, SEQ ID NO: 19, SEQ ID NO: 20, SEQ ID NO: 21, and SEQ ID NO: 22, wherein said nonapeptide binds to a human leukocyte antigen molecule on a cell surface and provokes lysis of said cell by a cytolytic T lymphocyte specific for a complex of said nonapeptide and said human leukocyte antigen.

2. The isolated nucleic acid molecule of claim 1, selected from the group consisting of SEQ ID NO: 4, SEQ ID NO: 5, SEQ ID NO: 6, SEQ ID NO: 7, SEQ ID NO: 8, and SEQ ID NO: 9.

3. The isolated nucleic acid molecule of claim 1, wherein said molecule consists of a nucleotide sequence which encodes the nonapeptide of SEQ ID NO: 17.

4. The isolated nucleic acid molecule of claim 3, consisting of the nucleotide sequence of SEQ ID NO: 4.

5. Isolated, non-human cell line with the isolated nucleic acid molecule of claim 1.

6. Isolated, non-human cell line with the isolated nucleic acid molecule of claim 2.

7. Isolated, non-human cell line with the isolated nucleic acid molecule of claim 3.

8. Isolated, non-human cell line with the isolated nucleic acid molecule of claim 4.

9. The isolated non-human cell line of claim 5, wherein said non-human cell line is a mouse cell line.

10. The isolated non-human cell line of claim 6, wherein said non-human cell line is a mouse cell line.

11. The isolated non-human cell line of claim 7, wherein said non-human cell line is a mouse cell line.

12. The isolated non-human cell line of claim 8, wherein said non-human cell line is a mouse cell line.

13. The isolated non-human cell line of claim 5, wherein said cell line is a COS cell line.

14. The isolated non-human cell line of claim 6, wherein said cell line is a COS cell line.

15. The isolated non-human cell line of claim 7, wherein said cell line is a COS cell line.

16. The isolated non-human cell line of claim 8, wherein said cell line is a COS cell line.

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L3: Entry 55 of 56 File: USPT Apr 11, 1995

US-PAT-NO: 5405940
DOCUMENT-IDENTIFIER: US 5405940 A

TITLE: Isolated nonapeptides derived from MAGE genes and uses thereof

DATE-ISSUED: April 11, 1995

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Boon; Thierry	Brussels			BE
van der Bruggen; Pierre	Brussels			BE
De Plaen; Etienne	Brussels			BE
Lurquin; Christophe	Brussels			BE
Traversari; Catia	Milan			IT

US-CL-CURRENT: 530/328; 424/185.1, 530/300

CLAIMS:

We claim:

1. Isolated nonapeptide having Glu at its N terminal, Tyr at its C-terminal, and Asp at the third residue from its N terminal, with the proviso that said isolated nonapeptide is not Glu Ala Asp Pro Thr Gly His Ser Tyr (SEQ ID NO: 1), and wherein said isolated nonapeptide binds to a human leukocyte antigen molecule on a cell to form a complex, said complex provoking lysis of said cell by a cytolytic T cell specific to said complex.

2. The isolated nonapeptide of claim 1, wherein the second residue from its N terminal is Ala or Val.

3. The isolated nonapeptide of claim 2, wherein the fourth residue from its N terminal is Pro.

4. The isolated nonapeptide of claim 3, wherein the fifth residue from its N terminal is Ile, Ala, or Thr.

5. The isolated nonapeptide of claim 4, wherein the sixth residue from its N terminal is Gly or Ser.

6. The isolated nonapeptide of claim 5, wherein the seventh residue from its N terminal is His or Asn.

7. The isolated nonapeptide of claim 6, wherein the eighth residue from its N terminal is Leu, Thr, or Val.

8. Isolated nonapeptide selected from the group consisting of SEQ ID NO: 4, SEQ ID NO: 5, SEQ ID NO: 6, SEQ ID NO: 7, SEQ ID NO: 8 and SEQ ID NO: 9.

9. Isolated nonapeptide SEQ ID NO: 4.

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Search Results -

Term	Documents
MAGE.USPT,PGPB.	1326
MAGES.USPT,PGPB.	293
PRECURSOR.USPT,PGPB.	93982
PRECURSORS.USPT,PGPB.	64255
(MAGE SAME (PRECURSOR.CLM.)).USPT,PGPB.	29
((MAGE)SAME (PRECURSOR).CLM.).USPT,PGPB.	29

Database: US Patents Full-Text Database; US Pre-Grant Publication Full-Text Database; JPO Abstracts Database; EPO Abstracts Database; Derwent World Patents Index; IBM Technical Disclosure Bulletins

Search: L2

Refine Search | Recall Text | Clear

Search History

DATE: Monday, March 24, 2003 Printable Copy Create Case

Set Name side by side	Query	Hit Count	Set Name result set
DB=USPT,PGPB; PLUR=YES; OP=ADJ			
L2	(mage)same (precursor).clm.	29	L2
DB=PGPB; PLUR=YES; OP=ADJ			
L1	(mage).clm.	67	L1

END OF SEARCH HISTORY

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Search Results -

Term	Documents
MAGE.USPT,PGPB.	1326
MAGES.USPT,PGPB.	293
PRECURSOR.USPT,PGPB.	93982
PRECURSORS.USPT,PGPB.	64255
(MAGE SAME (PRECURSOR.CLM.)).USPT,PGPB.	29
((MAGE)SAME (PRECURSOR).CLM.).USPT,PGPB.	29

Database:
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US Pre-Grant Publication Full-Text Database
JPO Abstracts Database
EPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

Search: L2

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Search History

DATE: Monday, March 24, 2003 Printable Copy Create Case

Set Name side by side	Query	Hit Count	Set Name result set
DB=USPT,PGPB; PLUR=YES; OP=ADJ			
L2	(mage)same (precursor).clm.	29	L2
DB=PGPB; PLUR=YES; OP=ADJ			
L1	(mage).clm.	67	L1

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Search Results -

Term	Documents
BOON-THIERRY$	0
BOON-THIERRY.USPT,PGPB.	7
BOON-THIERRY$.USPT,PGPB.	7
(BOON-THIERRY$).USPT,PGPB.	7

Database: US Patents Full-Text Database; US Pre-Grant Publication Full-Text Database; JPO Abstracts Database; EPO Abstracts Database; Derwent World Patents Index; IBM Technical Disclosure Bulletins

Search: L4

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Search History

DATE: Monday, March 24, 2003 Printable Copy Create Case

Set Name side by side	Query	Hit Count	Set Name result set
DB=USPT,PGPB; PLUR=YES; OP=ADJ			
L4	boon-thierry$	7	L4
L3	boon-theirry$	0	L3
L2	(mage)same (precursor).clm.	29	L2
DB=PGPB; PLUR=YES; OP=ADJ			
L1	(mage).clm.	67	L1

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Search Results - Record(s) 1 through 7 of 7 returned.

☐ 1. Document ID: US 20020160011 A1

L4: Entry 1 of 7 File: PGPB Oct 31, 2002

PGPUB-DOCUMENT-NUMBER: 20020160011
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020160011 A1

TITLE: ADJUVANT COMPOSITIONS FOR VACCINES

PUBLICATION-DATE: October 31, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
BOON, THIERRY	BRUSSELS		BE	
SILLA, SILVIA	BRUSSELS		BE	
UYTTENHOVE, CATHERINE	CHAUMONT GISTOUX		BE	

US-CL-CURRENT: 424/184.1; 424/198.1

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw Desc | Image

☐ 2. Document ID: US 6488932 B1

L4: Entry 2 of 7 File: USPT Dec 3, 2002

US-PAT-NO: 6488932
DOCUMENT-IDENTIFIER: US 6488932 B1

TITLE: Method for treating cancer by administering MAGE-derived peptides

DATE-ISSUED: December 3, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Boon; Thierry	Brussels			BE
van der Bruggen; Pierre	Brussels			BE
De Plaen; Etienne	Brussels			BE
Lurquin; Christophe	Brussels			BE
Traversari; Catia	Milan			IT

US-CL-CURRENT: 424/185.1; 424/193.1, 424/277.1, 530/320, 530/328, 530/335, 530/402

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw Desc | Image

☐ 3. Document ID: US 6375945 B1

L4: Entry 3 of 7 File: USPT Apr 23, 2002

US-PAT-NO: 6375945
DOCUMENT-IDENTIFIER: US 6375945 B1

TITLE: Adjuvant compositions for vaccines

DATE-ISSUED: April 23, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Boon; Thierry	Brussels			BE
Silla; Silvia	Brussels			BE
Uyttenhove; Catherine	Chaumont Gistoux			BE

US-CL-CURRENT: 424/85.2; 424/184.1, 424/185.1, 424/450, 530/351

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments KWIC | Draw Desc | Image

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☐ 4. Document ID: US 6034214 A

L4: Entry 4 of 7 File: USPT Mar 7, 2000

US-PAT-NO: 6034214
DOCUMENT-IDENTIFIER: US 6034214 A

TITLE: Isolated nonapeptides which bind to HLA molecules and provoke lysis by cytolytic T cells

DATE-ISSUED: March 7, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Boon; Thierry	Brussels			BE
van der Bruggen; Pierre	Brussels			BE
De Plaen; Etienne	Brussels			BE
Lurquin; Christophe	Brussels			BE
Traversari; Catia	Milan			IT

US-CL-CURRENT: 530/328; 424/185.1, 530/300, 530/385

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments KWIC | Draw Desc | Image

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☐ 5. Document ID: US 5925729 A

L4: Entry 5 of 7 File: USPT Jul 20, 1999

US-PAT-NO: 5925729
DOCUMENT-IDENTIFIER: US 5925729 A

TITLE: Tumor rejection antigen precursors, tumor rejection antigens and uses thereof

DATE-ISSUED: July 20, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Boon; Thierry	Brussels			BE
Van Der Bruggen; Pierre	Brussels			BE
Van Den Eynde; Benoit	Brussels			BE
Van Pel; Aline	Brussels			BE
De Plaen; Etienne	Brussels			BE
Lurquin; Christophe	Brussels			BE
Chomez; Patrick	Brussels			BE
Traversari; Catia	Milan			IT

US-CL-CURRENT: 530/328; 424/185.1, 530/395, 530/806, 530/828

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWIC | Draw Desc | Image

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☐ 6. Document ID: US 5405940 A

L4: Entry 6 of 7 File: USPT Apr 11, 1995

US-PAT-NO: 5405940
DOCUMENT-IDENTIFIER: US 5405940 A

TITLE: Isolated nonapeptides derived from MAGE genes and uses thereof

DATE-ISSUED: April 11, 1995

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Boon; Thierry	Brussels			BE
van der Bruggen; Pierre	Brussels			BE
De Plaen; Etienne	Brussels			BE
Lurquin; Christophe	Brussels			BE
Traversari; Catia	Milan			IT

US-CL-CURRENT: 530/328; 424/185.1, 530/300

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWIC | Draw Desc | Image

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☐ 7. Document ID: US 5342774 A

L4: Entry 7 of 7 File: USPT Aug 30, 1994

US-PAT-NO: 5342774
DOCUMENT-IDENTIFIER: US 5342774 A

TITLE: Nucleotide sequence encoding the tumor rejection antigen precursor, MAGE-1

DATE-ISSUED: August 30, 1994

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Boon; Thierry	Brussels			BE
van der Bruggen; Pierre	Brussels			BE
Van den Eynde; Benoit	Brussels			BE
Van Pel; Aline	Brussels			BE
De Plaen; Etienne	Brussels			BE
Lurquin; Christophe	Brussels			BE
Chomez; Patrick	Brussels			BE
Traversari; Catia	Milan			IT

US-CL-CURRENT: 435/371; 435/235.1, 435/252.3, 435/320.1, 435/69.1, 435/69.3, 530/350, 536/23.5

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Term	Documents
BOON-THIERRY$	0
BOON-THIERRY.USPT,PGPB.	7
BOON-THIERRY$.USPT,PGPB.	7
(BOON-THIERRY$).USPT,PGPB.	7

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